

AD-A102 926

PUBLIC RESEARCH INST ALEXANDRIA VA
THE VALUE OF STABLE EMPLOYMENT AS INFERRED FROM MARKET WAGES (U)
FEB 80 R P TROST
N00014-79-C-0448
NL

UNCLASSIFIED CRC-441

| OF |
AD A
02826

END
DATE FILMED
9-31
DTIC

CRC 441 / February 1980

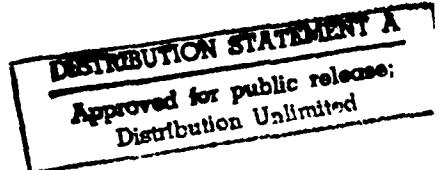
12

LEVEL

ADA102926

THE VALUE OF STABLE EMPLOYMENT AS INFERRED FROM MARKET WAGES

Robert P. Trost



The Public Research Institute

A Division of the Center for Naval Analyses

81 8 14 074

DTIC FILE COPY

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER CRC 441	2. GOVT ACCESSION NO. <i>AD-A102</i>	3. RECIPIENT'S CATALOG NUMBER <i>926</i>
4. TITLE (and Subtitle) The Value of Stable Employment as Inferred From Market Wages	5. TYPE OF REPORT & PERIOD COVERED	
7. AUTHOR(s) Robert P. Trost	6. PERFORMING ORG. REPORT NUMBER N00014-79-C-0448	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Center for Naval Analyses 2000 N. Beauregard Street Alexandria, Virginia 22311	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS	
11. CONTROLLING OFFICE NAME AND ADDRESS Office of Ass't Secretary of Defense, Manpower Reserve Affairs & Logistics, Special Proj. Washington, D.C. 20301	12. REPORT DATE February 1980	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	13. NUMBER OF PAGES 12	
	15. SECURITY CLASS. (of this report) Unclassified	
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release, distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES The material in this research contribution was prepared under contract N00014-79-C-0448 with the Department of Defense. The views expressed in this paper are those of the author and not necessarily those of the Department of Defense.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) coefficients, employment, industries, regression analysis, salaries, stability.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This paper estimates the value employees place on stable employment. Here the term "stable employment" means a relatively low probability of temporary and/or permanent layoffs. This value is estimated by regressing individual wage rates on exogenous variables and proxy variables for unstable employment. The sign and size of the coefficients on these proxy variables in the wage equation measures the value of stable employment in terms of the hourly wage rate.		

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

20 The wage equation is estimated using the Michigan and Parnes survey data. The results indicate that the wage elasticity with respect to instability is .3. This means that if one industry is 50 percent more stable than another, then other things equal, the more stable industry would have a 15 percent lower wage rate.

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The Public Research Institute



6 August 1981

MEMORANDUM FOR DISTRIBUTION LIST

Subj: Public Research Institute Research Contribution 441

Encl: (1) CRC 441, "The Value of Stable Employment As Inferred From Market Wages," by Robert P. Trost, February 1980

1. Enclosure (1) prepared for the Office of the Assistant Secretary of Defense for Manpower, Reserve Affairs and Logistics, is forwarded for information and retention as a matter of possible interest.

2. Research Contributions are distributed for their potential value in other studies and analyses. The enclosure does not necessarily represent the opinion of the Department of Defense.

Paul Feldman

PAUL FELDMAN
Director
Public Research Institute

Accession For	
MAIL	<input checked="" type="checkbox"/>
TELETYPE	<input type="checkbox"/>
TELETYPE	<input type="checkbox"/>
TELETYPE	<input type="checkbox"/>
TELETYPE	<input type="checkbox"/>
By	
Distribution	
Availability Codes	
Normal and/or	
Special	

A

Distribution List:

Ass't Sec'y of Defense, Manpower, Reserve Affairs & Logistics
Ass't Sec'y of Navy, Manpower, Reserve Affairs & Logistics
Defense Technical Information Center (12 copies)
Office of Management and Budget
Department of Labor
Bureau of Labor Statistics
Office of Personnel Management

CRC-441

Feb 1980

⑥

THE VALUE OF STABLE EMPLOYMENT AS INFERRED FROM MARKET WAGES

10 Robert P. Trost

⑯

N00014-79-C-0448

Prepared under contract N00014-79-C-0448 for:

Office of Assistant Secretary of Defense
Manpower Reserve Affairs & Logistics
Special Projects
Washington, D.C. 20301

Points of view or opinions stated in this paper do not necessarily represent
the opinion of the Department of Defense.



The Public Research Institute

A Division of the Center for Naval Analyses

2000 North Beauregard Street, Alexandria, Virginia 22311

407908

ACKNOWLEDGMENT

I would like to thank Robert Dorfman, Louis Jacobson, James Jondrow, and Robert Levy for many helpful comments and Cindy Mache, Diana Roth, and Ed Berger for help with the computations. Responsibility for any errors is solely mine. Financial support from the Department of Defense is greatly appreciated.

TABLE OF CONTENTS

	<u>Page</u>
Introduction	1
Methodology	2
Measures of instability	3
Regression results	4
Summary	9
References	10

INTRODUCTION

In order to attract and hold workers of desired quality, the federal government must set its pay scale to be comparable with the pay scale in the private sector. Here the term "comparable" pay only means identical pay when the quality of working life (e.g., work conditions, hours, vacation) and the job stability of the federal and private jobs being compared are exactly alike. In general, wages can be higher or lower than in the private sector depending on the relative value workers place on characteristics of the job other than pay. For example, Lucas (1977) shows that workers do receive substantially higher money wages in compensation for undertaking jobs embracing repetitive routines and obnoxious physical work environments. While Classen (reference 2) has examined the effect of stable employment on wages, as far as I know, no one has taken the approach proposed below. This paper should fill that gap in the literature.

METHODOLOGY

I will estimate the value workers place on stability in employment with a simple extension of the equation estimated by Lucas (1977). What Lucas does is estimate an equation where log of wages is regressed on age, a dummy variable for union status, and several probabilities of whether or not the worker holds a job with certain job attributes such as nonsedentary or repetitive tasks. I will estimate a similar equation except that instead of using the probabilities that a worker holds a job with various job attributes, a dummy variable to capture the effect of work conditions on wages will be used. In addition, one of the job characteristics included in the regression equation will be measures of "instability" in the industry in which the individual works. Here the term "instability" refers to an irregular pattern of hours worked over time (i.e., frequent temporary layoffs) and in some years a high probability of being permanently laid off. So "unstable" industries will thus have average annual employee earnings and levels of total employment that fluctuate over time. This variable was not included in the analysis presented in Lucas (1977). The coefficient of this variable is an estimate of the pay differential firms must offer to compensate for job instability and, hence, is a measure of the value workers place on stability. The simple approach proposed here then amounts to regressing the log of wages on a set of exogenous variables Z (such as age, education and working conditions) and a variable $YSTAB$ that measures instability. This equation is given by (1):

$$\log (\text{wages}) = B'Z + YISTAB + \epsilon \quad (1)$$

where ϵ is a disturbance term.

MEASURES OF INSTABILITY

Ideally, we would like one direct measure of instability for each major industrial code. One could then use micro data to estimate equation (1). Since no such measure exists, some proxy variables have to be found.

One choice as a proxy variable is some measure of variability in annual earnings (for the typical worker in the industry). Two other choices are variations in total annual employment and average weekly hours in the industry. The argument for using these measures is that unstable industries will have larger year-to-year fluctuations in annual earnings, total employment, and weekly hours than relatively stable industries.

To get a measure of the variability in annual earnings, employment, and weekly hours, one can use several years of annual Bureau of Labor Statistics data to calculate the coefficients of variation of each variable in all industries. As a second measure of these variations, one can calculate the percentage changes of earnings, employment, and weekly hours and use the standard deviation of these percentage changes as a measure of variability. The second measure is more in the spirit of what is meant by variability--a cyclical or up-and-down pattern of earnings, employment, and weekly hours. In the first measure, a growing industry may have a high coefficient of variation in annual earnings, employment, and hours. This is because employment, hours, and earnings, perhaps, will be increasing over time in growth industries. However, an industry with a constant growth rate in employment and average annual earnings should not be labeled an "unstable" industry. If anything, it is a stable industry. By using the standard deviation of percentage changes instead of the coefficient of variation, we will avoid the problem of labeling growth industries as "unstable."

REGRESSION RESULTS

Three separate data sets are used to estimate equation (1). These data sets are: (1) the 1971 wave of the University of Michigan survey data, as described in A Panel Study of Income Dynamics (1972), (2) the 1971 wave of the Parnes NLS data for young men, and (3) the 1971 wave of the Parnes NLS data for old men. Table 1 gives the means of the variables for each data set. Table 2 to 4 contain the regression results. The dependent variable is the natural logarithm of the 1971 hourly wage rate. The three measures of instability were calculated using Bureau of Labor and Statistics (Employment and Earnings Handbook, 1975) annual data for production workers in various industries. These three measures were calculated using annual data from 1965 to 1970. The variable CVAREARN is the coefficient of variation of annual earnings. The other two measures of instability, SDPCEMP and SDPCHRS, are, respectively, the standard deviations of the percentage changes in employment levels and average weekly hours.

The a priori expectations concerning the coefficients of these stability proxy variables is that they be positive. A positive coefficient would mean that individuals working in industries with large fluctuations in earnings, hours, and employment need to be compensated with a higher hourly wage rate than similar individuals in more stable industries. Also included in the regressions are of the following demographic variables: a race dummy (DRACE = 1 if white), a sex dummy (DSEX = 1 if male), a skill dummy (DSKILL = 1 if individual has a skilled or professional job), three regional dummies (DNE, DNC, DWEST = 1 if individual works in the NE, NC, or Western region of the U.S.), an education dummy (DHSG = 1 if high school graduate), a marital status dummy (DMARR = 1 if married), poor working condition dummy (DWKCOND = 1 if the individual has poor working conditions), two city-size dummies (DCITY1 = 1 if live in SMSA, in central city and DCITY2 = 1 if live in SMSA, not in central city; the omitted group is individuals who do not live in a SMSA) and continuous variables (EDUC, IQ) for the level of education and IQ. What these results tell us is that CVAREARN and SDPCEMP are good proxy variables for instability in given industries, but that SDPCHRS is not a good proxy. The insignificant coefficient on SDPCHRS may reflect the effect of the 40 hour work week institution on firm behavior. Because of the institution, firms may tend to vary employment and wages rather than hours. Hence, during downswings firms will tend to decrease employment and wages but not lower the average hours worked in a week of those individuals who remain.

TABLE 1
VARIABLE MEANS

<u>Variable</u>	<u>Means of Variable</u>		
	<u>Michigan</u>	<u>Parnes</u> (<u>young men</u>)	<u>Parnes</u> (<u>old men</u>)
CVAREARN	2.289	2.152	2.197
SDEMP	174.57	98.611	87.435
SDHRS	.6077	.627	.596
SDPCEARN	1.9493	1.893	2.025
SDPCEMP	3.287	3.271	3.362
SDPCHRS	1.1912	1.196	1.221
LNWAGE	1.1737	1.516	1.459
DRACE	.5953	.856	.725
DMARR	.7971	.716	.884
DCITY1	--	.333	.344
DCITY2	--	.339	.321
IQ	--	100.106	--
EDUC	--	13.05	9.212
DSKILL	.4746	--	--
DSEX	.8489	--	--
DNE	.1793	--	--
DNC	.2864	--	--
DWEST	.0992	--	--
DHSG	.4239	--	--
DWKCOND	.15	--	--

VARIABLE DEFINITIONS

CVAREARN = Coefficient of Variation of Annual Earnings
 SDEMP = Standard Deviation of Employment
 SDHRS = Standard Deviation of Weekly Hours
 SDPCEARN = Standard Deviation of the Percentage Change in Earnings
 SDPCEMP = Standard Deviation of the Percentage Change in Employment
 SDPCHRS = Standard Deviation of the Percentage Change in Weekly Hours
 LNWAGE = Natural Logarithm of the 1971 Hourly Wage Rate
 DRACE = 1 if white
 DMARR = 1 if married
 DCITY1 = 1 if individual lives in a SMSA, central city
 DCITY2 = 1 if individual lives in a SMSA, not central city
 IQ = Standard IQ Score
 EDUC = Highest Grade Completed
 DSKILL = 1 if individual has a skilled or professional job
 DSEX = 1 if male
 DNE = 1 if individual works in northeastern region of U.S.
 DNC = 1 if individual works in north-central region of U.S.
 DWEST = 1 if individual works in western region of U.S.
 DHSG = 1 if individual is a high school graduate
 DWKCOND = 1 if individual has poor working conditions

TABLE 2

REGRESSION RESULTS SHOWING THE EFFECT OF STABLE
EMPLOYMENT ON WAGES USING THE MICHIGAN SRC DATA

(Dependent Variable = Ln (Hourly Wage Rate))

<u>Variable</u>	<u>Coefficient</u>	<u>t-statistic</u>
Intercept	.3718	--
SDPCHRS	-.0275	.78
DRACE	.052	2.45
DSKILL	.148	7.00
DSEX	.332	6.65
DMARR	-.0037	.08
DNE	.187	6.60
DNC	.216	8.54
DWEST	.248	7.09
DHSG	.111	5.34
SDPCEMP	.0364	4.81
COVAREARN	.0717	10.23
DWKCOND	.0183	.68

RSQR = .5109
 STDERR = .28295
 No. Observations = 887

TABLE 3

REGRESSION RESULTS SHOWING THE EFFECT OF STABLE
EMPLOYMENT ON WAGES USING THE PARNES YOUNG MEN DATA

(Dependent Variable = Ln (Hourly Wage Rate)

<u>Variable</u>	<u>Coefficient</u>	<u>t-statistic</u>
Intercept	.262	6.23
CVAREARN	.040	6.23
DRACE	.157	4.603
DMARR	.214	9.09
DCITY1	.122	4.54
DCITY2	.151	5.81
EDUC	.041	6.26
IQ	.002	2.70
SDRCEMP	.011	1.98
SDPCHRS	-.019	.66

RSQR = .210
STDERR = .363
No. Observations = 1193

TABLE 4

REGRESSION RESULTS SHOWING THE EFFECT OF STABLE
EMPLOYMENT ON WAGES USING THE PARNES OLD MEN DATA

(Dependent Variable = Ln (Hourly Wage Rate))

<u>Variable</u>	<u>Coefficient</u>	<u>t-statistic</u>
Intercept	.421	--
CVAREARN	.033	3.79
DRACE	.270	7.58
DMARR	.156	3.61
DCITY1	.229	6.73
DCITY2	.266	7.67
EDUC	.052	11.54
SDPCEMP	.015	1.78
SDPCHRS	-.048	1.23

RSQR = .269
STDERR = .502
No. Observations = 1375

SUMMARY

In this paper I discuss a simple way of estimating the value of stable employment as inferred from market wages. The essence of my approach is to find proxy variables for the unobservable variable "unstable" employment.

The model is estimated using the Michigan and Parnes survey data. The coefficient of variation of annual earnings and the standard deviation of percentage changes in employment levels were found to be good proxies for unstable employment.

What these results tell us is that in industries where annual earnings and employment levels fluctuate greatly, workers tend to get paid a high hourly wage rate. For example, consider the results presented in table 2. We want to answer the following question: How responsive are wages to a 10 percent increase in instability as measured by the combined effect of SDPCEMP and CVAREARN? When evaluated at the means of all exogenous variables, predicted wages are \$3.23/ hour. If we increase SDPCEMP and CVAREARN by 10 percent, predicted wages are \$3.33/ hours. Hence, wages rise by 3 percent, and the elasticity of wages with respect to instability is .3. This indicates that in industries where annual incomes are more stable (such as in government service jobs), an hourly wage rate which is determined by market forces will be lower than similar jobs in unstable industries. This is an important result that should be considered when setting Government Service (GS) rating pay scales. For example, if government service jobs are 50 percent more stable than similar private sector jobs, comparable pay in the GS jobs means that ceteris paribus GS jobs should pay 15 percent less than similar jobs in the private sector.

REFERENCES

1. Bureau of Labor and Statistics, Employment and Earnings
Department of Labor, January 1975 Issue
2. Classen, Kathleen P., "The Distributional Effects of Unemployment Insurance," CNA Professional Paper No. 198, September 1977
3. Lucas, R.E.B., "Hedonic Wage Equations and Psychic Wages in the Returns to Schooling," American Economic Review, September 1977, pp. 549-558
4. Survey Research Center, A Panel Study of Income Dynamics, Institute for Social Research, University of Michigan, Ann Arbor, MI, 1972

02 44100.00

INDEX TO PRI PUBLICATIONS

73-1 The Retail Price of Heroin: Estimation and Applications, George Brown and Lester Silverman, May 1973.
73-2 The Use of Longitudinal Data to Assess the Impact of Manpower Training on Earnings, Louis Jacobson, July 1973.
73-3 The Determinants of Daily Emergency Admissions to Hospitals, Lester Silverman, July 1973.
74-1 The Effect of Unemployment Insurance and Eligibility Enforcement on Unemployment, Arlene Holen and Stanley Horowitz, April 1974.
74-2 Undiagnosed Bacterial Meningitis in Vermont Children, Lester Silverman, et al., October 1974.
75-1 Urban Crime and Heroin Availability, Nancy Spruill and Daniel Levine, April 1975.
75-2 Removing Restrictions on Imports of Steel, James Jondrow, Eugene Devine, Louis Jacobson, Arnold Katz and David O'Neill, May 1975.
75-3 Abolishing the District of Columbia Motorcycle Squad, Abram N. Shulsky, April 1975.
75-5 Unemployment Insurance Taxes and Labor Turnover: Summary of Theoretical Findings, Frank Brechling, December 1975.
173-75 The Incentive Effects of the U.S. Unemployment Insurance Tax, Frank Brechling, June 1975.
184-75 An Evaluation of Proposed Alternatives for Increasing UI Tax Revenues, Christopher Jahn, May 1975.
197-75 Earnings Losses of Workers Displaced from the Steel Industry by Imports of Steel, Louis Jacobson, August 1975.
199-75 Alternative Data Sources for Analysis of Unemployment Insurance, Louis Jacobson, July 1975.
260-76 The Effects of Efficient Discharge Limitations on Foreign Trade in Selected Industries, James Jondrow, David Chase, Christopher Gamble and Nancy Spruill, February 1976.
264-76 The Labor Market Effects of Unemployment Insurance, Summary of Findings, Christopher Jahn, March 1976.
276-76 The Measurement and Prediction of Reporting Costs, David E. Chase and Daniel B. Levine, May 1976.
312-76 Voucher Funding of Training: A Study of the G.I. Bill, David O'Neill and Sue Goetz Ross, October 1976.
CRC 308 An Evaluation of the CPI Deflator as a Basis for Adjusting the Allowable Price of Crude Oil, James M. Jondrow and David E. Chase, February 1977.
CRC 313 Losses to Workers Displaced by Plant Closure or Layoff: A Survey of the Literature, Arlene Holen, November 1976.
CRC 339 The Economic Effects of Environmental Expenditures on the Construction Industry, James Jondrow, David Chase, Christopher Gamble, Louis Jacobson, Robert Levy, Bruce Vavrichek, September 1979.
CRC 344 The Economics of Dental Licensing, Arlene Holen, November 1978.
CRC 349 The Unemployment Insurance Tax and Labor Turnover: An Empirical Analysis, Frank Brechling and Christopher Jahn, April 1978.
CRC 353 The Tax Base of the U.S. Unemployment Insurance Tax: An Empirical Analysis, Frank Brechling, April 1978.
CRC 367 The quit Rate as a Measure of Job and Pay Comparability, Frank Brechling and Louis Jacobson, August 1979.
CRC 385 Earnings Loss Due to Displacement, Janet Thomason and Louis Jacobson, August 1979.
CRC 386 Do Finances Influence Airline Safety, Maintenance, and Service? David R. Graham and Marianne Bowes, April 1979.
CRC 388 The Economics of Research and Development, Lawrence Goldberg, October 1979.
CRC 405 Does Licensing Improve the Quality of Service: The Case of Dentists, Arlene Holen, Paul Feldman, James Jondrow, November 1979.
CRC 414 Taxes on Factors of Production: Their Effects on Factor Proportions and Inflation, Marianne Bowes, Frank Brechling, Kathleen Classen Utgoff, and Bruce Vavrichek, December 1979.
CRC 419 Labor Adjustment to Imports Under Rational Expectations, Robert A. Levy and James M. Jondrow, September 1980.
CRC 431 Evaluating Tax Systems for Financing the Unemployment Insurance Program, Marianne Bowes, Frank P.R. Brechling, and Kathleen P. Utgoff, June 1980.
CRC 440 Using quit Rates to Set Compensation Levels in the Public Sector, Kathleen C. Utgoff, January 1981.
CRC 441 The Value of Stable Employment as Inferred From Market Wages, Robert P. Trost, February 1980.
CRC 442 Cost Differences in Public and Private Shipyards, Marianne Bowes, January 1981.
PP 165 Effects of Trade Restrictions on Imports of Steel, James M. Jondrow, November 1976.
PP 166 Why It's Difficult to Change Regulation, Paul Feldman, October 1976.
PP 169 Earnings Losses of Workers Displaced from Manufacturing Industries, Louis S. Jacobson, November 1976.
PP 170 A Time Series Analysis of Labor Turnover, Frank P. Brechling, December 1976.
PP 175 Public Drug Treatment and Adult Crime, D.B. Levin, N. Spruill, and P.H. Stoloff, March 1977.
PP 192 Effects of Unemployment Insurance Entitlement on Duration and Job Search Outcome, Arlene Holen, August 1977.
PP 193 A Model of Unemployment Insurance and the Work Test, Stanley A. Horowitz, August 1977.
PP 194 The Effect of Unemployment Insurance on the Duration of Unemployment and Subsequent Earnings, Kathleen P. Classen, August 1977.
PP 195 Unemployment Insurance Taxes and Labor Turnover: Summary of Theoretical Findings, Frank Brechling, August 1977.
PP 198 The Distributional Effects of Unemployment Insurance, Kathleen P. Classen, September 1977.
PP 202 Why Regulation Doesn't Work, Paul Feldman, September 1977.
PP 203 Efficiency, Distribution and the Role of Government in a Market Economy, Paul Feldman, September 1977.
PP 232 Can Policy Changes Be Made Acceptable to Labor? Louis S. Jacobson, August 1978.
PP 233 An Alternative Explanation of the Cyclical Pattern of quits, Louis S. Jacobson, October 1978.
PP 234 Does Federal Expenditure Displace State and Local Expenditure: The Case of Construction Grants, James Jondrow Revised Robert A. Levy, October 1979.
PP 238 Unemployment Insurance and The Unemployment Rate, Kathleen Classen Utgoff, October 1978.
PP 246 Layoffs and Unemployment Insurance, Frank Brechling, February 1979.
PP 266 Taxes and Inflation, Frank Brechling and Kathleen Classen Utgoff, November 1979.
PP 267 The Response of State Government Receipts to Economic Fluctuations and the Allocation of Counter-Cyclical Revenue Sharing Grants, Robert G. Vogel and Robert P. Trost, December 1979.
PP 282 Labor Adjustment Under Rational Expectations, James M. Jondrow and Robert A. Levy, December 1980.
PP 299 Wage Leadership in Construction, James M. Jondrow and Robert A. Levy, January 1981.
PP 300 On the Estimation of Technical Inefficiency in the Stochastic Frontier Production Function Model, James Jondrow and Peter Schmidt, January 1981.
PP 301 Technical Change and Employment in Steel, Autos, Aluminum, and Iron Ore, James M. Jondrow, Robert A. Levy and Claire Hughes, March 1981.
PP 302 The Effect of Imports on Employment Under Rational Expectations, Robert A. Levy and James M. Jondrow, April 1981.
PP 311 An Evaluation of UI Funds, Marianne Bowes, Frank P.R. Brechling, and Kathleen P. Classen Utgoff, May 1981.
PP 312 The Optimum Speed Limit, Jondrow, James; Bowes, Marianne and Levy, Robert, May 1981.

THIS PAGE IS BEST QUALITY PRACTICABLE
FROM COPY FURNISHED TO DDC

